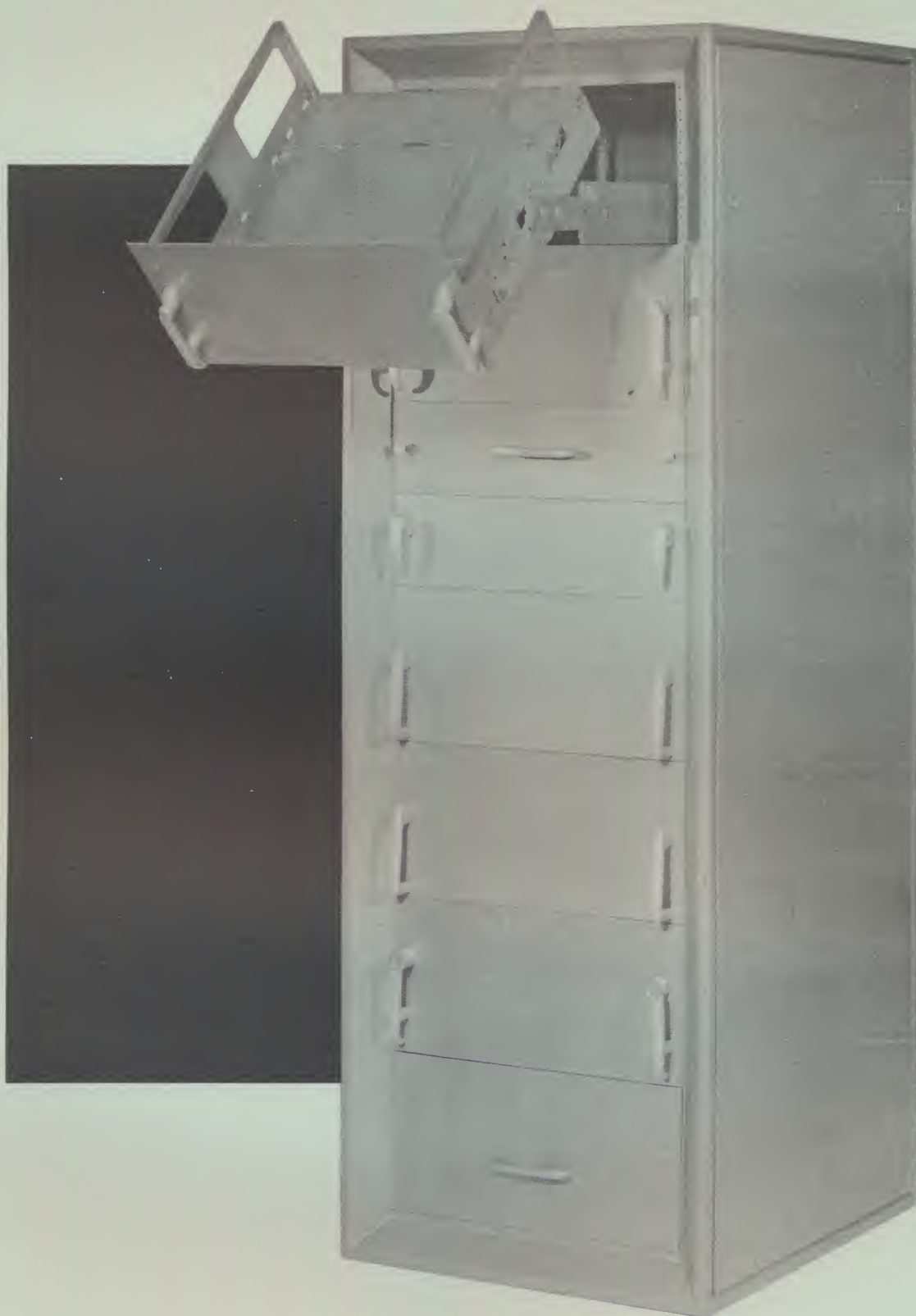
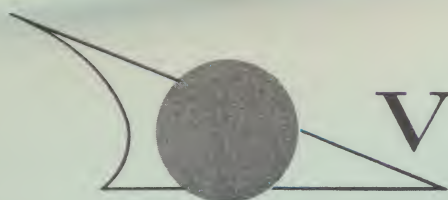


# VENT RAK



*complete Electronic Packaging from 1 source*



# VENT-RAK



## RUGGED

Vent-Rak enclosure parts are interchangeable, permitting an unusual degree of flexibility in mounting arrangements. Where necessary, the dimensions of the standard unit can be modified slightly to accommodate over or under-sized equipment.

You will find these standard and semi-standard cabinets have the answer to practically any of your mounting problems. If your equipment cannot be adapted to Vent-Rak's standard or semi-standard units, Vent-Rak engineers welcome the opportunity to help you design a custom enclosure suited to your individual needs.

*For further information, write or phone*

## VENT-RAK inc.®

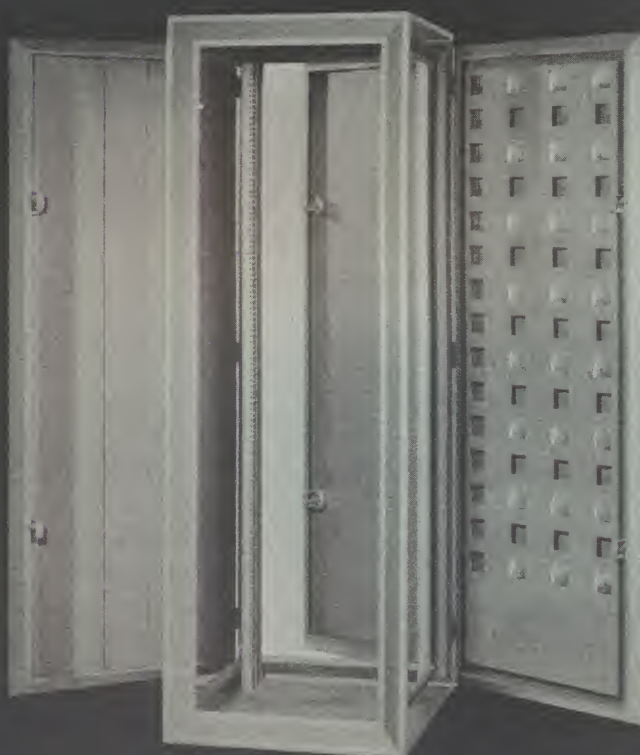
525 S. WEBSTER AVE. • INDIANAPOLIS, IND. 46219  
AREA CODE 317 • 359-5407

## *Packaged Modular Enclosures*

Vent-Rak is a new line of packaged modular enclosures developed to meet the industry's increasing demand for mounting flexibility. Heavy-duty construction plus outstanding ventilation and accessibility features make Vent-Rak enclosures ideally suited to military as well as commercial use.

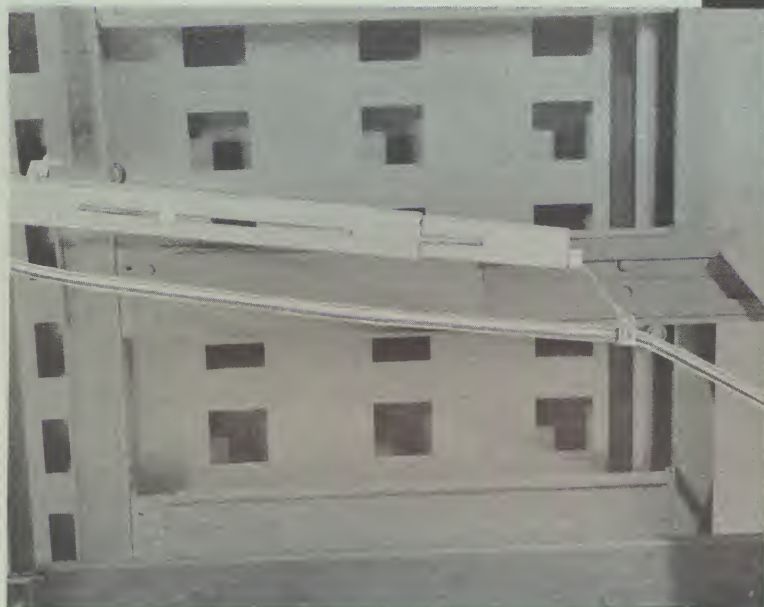
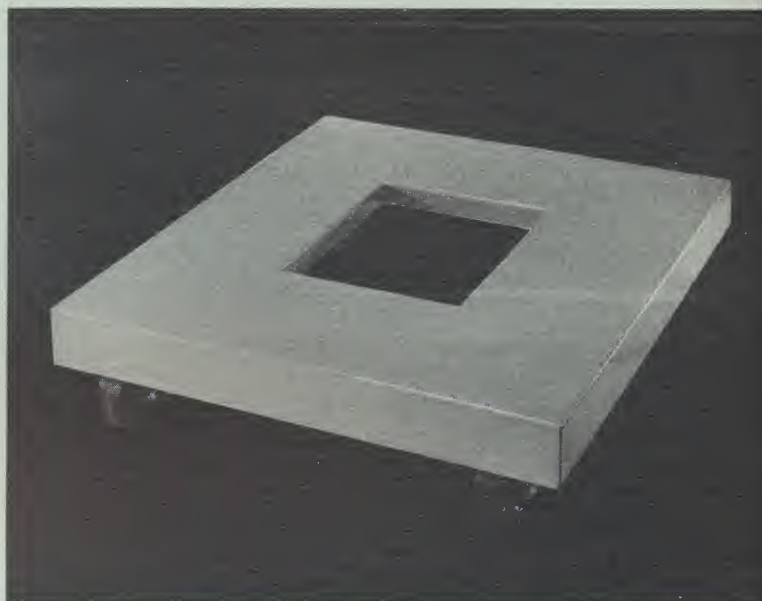
Vent-Rak also offers the advantage of being able to supply you with complete packaging for your electronic equipment. We stand ready to help your engineering staff solve its packaging problems.

## FLEXIBLE



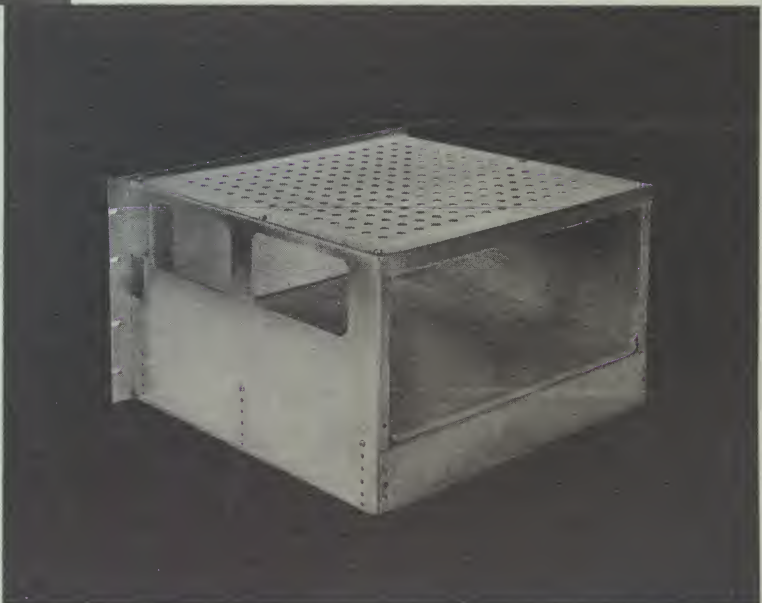


HEAVY-DUTY  
ADAPTABLE DOLLY



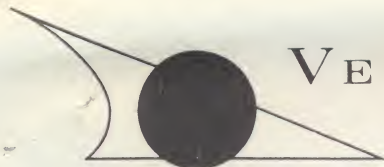
SELF-ADJUSTING  
CABLE RETRACTORS

UNIVERSAL UTILITY  
CHASSIS  
Chassis, Panels, Handles



VENT-RAK inc.<sup>®</sup> • 525 S. WEBSTER AVE. • INDIANAPOLIS, IND. 46219





VENT-RAK

EFFECTIVE DEC. 1, 1966  
SUPERSEDES MAY 1, 1966  
SUBJECT TO CHANGE  
WITHOUT PRIOR NOTICE.

FILE POLICY SECTION A

## STANDARD SALES POLICY INFORMATION

(applicable to all classes of customers)

1. **ADDRESS-PHONE:** 525 S. Webster Avenue 317-359-5407  
Indianapolis, Indiana 46219
2. **CONTACT:**  
New Orders – Catalog Items J. L. Wright – Distributor Sales  
New Orders – Custom Built Glenn Feest – Industrial Sales  
Open Order Expediting H. Crouch – Production Control  
Sales Policy L. M. Vaughn – Marketing-Gen. Mgr.  
Technical Information Hubert Short – Chief Engineer  
Credit-Accounting J. B. Barnett – Credit Manager  
Promotion Literature J. L. Wright – Advertising Manager
3. **OFFICE HOURS:** 8:00 AM – 5:00 PM
4. **TERMS OF SALE:** 1% 10 days, net 30 days
5. **MINIMUM BILLING:** \$10.00 net, exclusive of transportation charges
6. **F.O.B. POINT:** Indianapolis, Indiana
7. **BRANCH WAREHOUSE:** 7% will be added to warehouse invoice to cover pro-rata freight  
Handling Charges
8. **FREIGHT ALLOWANCE:** None
9. **CREDIT-NEW ACCOUNTS:** Please submit bank and three trade references with full address on initial order.
10. **SPECIAL PACKAGING:** Where special packaging methods are specified-cost for this service will be quoted by the factory.
11. **DELIVERY STOCK ITEMS:** Items indicated by (\*) and bold type are carried in stock by franchise distributors – back order delivery, usually 2-3 weeks.  
(5000 Slim Line)
12. **PRICING-STOCK ITEMS:** Pricing shown on net price sheet. Stock enclosures and accessories available, through \$2500.00 – net value from franchised stocking distributors.  
(5000 Slim Line)
13. **SPECIAL OR MODIFIED:** Items for which prices are not published are defined as "special" delivery and net cost are on a quotation basis only, since these items are custom built.  
Enclosures and Accessories  
Delivery – Pricing
14. **PRICING-SCHEDULED:** Published or quoted price bracket is only applicable to those quantities scheduled by customer for delivery within a given 60 day period.  
Deliveries
15. **GOVT. SOURCE INSPECTION:** Increase unit price by \$7.00 or a minimum of \$7.00 per scheduled shipment. Furnish extra copy of original order marked "Govt. Inspector Copy" and show govt. contract and priority.

**16. CLAIMS-DEFECTIVE MDSE:**

**A. Examination of Mdse.**

Any claim for shortage, defects, or errors in shipment, must be made within 10 days' after receipt of goods.

**B. Mdse. Damaged in Transit**

File claim with carrier. Title passes at F.O.B. point.

**C. Warranty and Repairs**

Equipment manufactured or sold by us is subject to a warranty against defects in material and workmanship under normal use and service for a period of one (1) year from date of shipment. Under this warranty our obligation is limited to the repair or replacement of defective parts F.O.B. our factory. This warranty is valid only if our inspection, upon return of defective parts to us, properly packed and with transportation charges pre-paid by the buyer, shall reveal the defects to our satisfaction. We make no warranty other than the one set forth above. In no event do we assume liability for installation labor or consequential damages.

**D. Return Merchandise**

Obtain prior permission, as unauthorized return may be returned collect, unopened. Returns may be authorized at sole factory discretion only, for standard items, in original condition that could be resold in a reasonable time. Subject to a 10% handling and reconditioning charge. No material will be accepted for return one (1) year after date of purchase if not a current distributor catalog item.

**17. CANCELLATION OR CHANGE ORDERS:**

Cancellation or change order charges may be levied.

**18. PLACE OF ACCEPTANCE:**

Orders are valid only when accepted by our written acknowledgment at our offices in Indianapolis, Indiana. The contract shall be construed in accordance with Indiana state law.

**19. EXPORT ORDERS:**

On orders originating outside continental United States and Canada, we require payment in advance of shipment, or an irrevocable and confirmed letter of credit placed on Chemical Bank Trust Company, New York or Indiana bank.

**20. PATENTS:**

In the event suit is brought against the purchaser, alleging infringement of patents, we reserve the right to substitute for apparatus which is alleged to infringe, other equally suitable apparatus, without altering conditions of this sale. We shall also have the right to take back infringing equipment, refunding only purchase price less reasonable allowance for use.

**21. SPECIFICATIONS:**

We reserve the right to modify specifications and design, provided the modification and design does not materially affect performance.

*Area Sales Representative*

*Area Distributors*

**VENT-RAK, INC.®**

**525 S. WEBSTER AVENUE - INDIANAPOLIS, INDIANA 46219**

**(317) 359-5407**



Subject: Thermistor and Varistor Applications in color and black and white TV Receivers.

There are a number of applications utilizing Thermistors and Thyrite Varistors (GE Trademark for Silicon Carbide Varistors, sometimes called VDR's for Voltage Dependent Resistors) presently in use in TV Receivers.

One Varistor application, originally designed in by RCA and used by their licensees, is used in the color receiver vertical deflection circuit to protect the vertical output tube and circuit components from transient voltage spikes during retrace of the vertical circuit at the 60 cycle rate.

This unit actually performs a second function in the bias circuit of the vertical output stage providing some degree of output power regulation in addition to absorbing transient energy spikes from the vertical output transformer during retrace time.

Another Varistor application is in the automatic de-gaussing circuit, another RCA development used by their licensees for color receivers. In this application a disk type, Varistor, is placed in series with the de-gaussing coils which are located physically on a yoke which surrounds the face of the color cathode ray tube.

In shunt with the de-gaussing coils and the Varistor disk is a Thermistor. The Thermistor performs two functions: (1) at turn on it provides a high impedance across which is developed a relatively high AC voltage to drive the de-gaussing circuit and (2) due to its relatively high impedance at turn on it serves to limit inrush current through the silicon rectifiers in the B+ supply during initial charge of the B+ power supply filter capacitors.

As the Thermistor heats up due to current flow following turn on, its resistance decreases within 30 to 40 seconds from 120 ohms nominal cold resistance to approximately 1 ohm hot running resistance. During this period while the Thermistor is heating up, the de-gaussing circuit sees an ideal de-gaussing waveform which consists of properly damped 60 cycle waveform.

The combined action of these two components permits the de-gaussing coils to see the ideal de-gaussing current waveform required to degauss the color tube face thus permitting the color tube to faithfully reproduce the picture intelligence as provided by the amplifier circuits in the receiver. Proper damping of the waveform seen by the de-gaussing coils is a function both of the heating time for the Thermistor and the voltage sensitivity of the Varistor.

In addition to these applications all color receivers utilize a Thermistor connected in series with the vertical deflection coil and mounted on the deflection yoke in good thermal contact with the yoke core to temperature compensate the vertical deflection coil.

Most black and white receivers also utilize a vertical deflection yoke compensating thermistor and one or more Varistors for either high voltage regulation or voltage surge suppression or a combination of both functions.

We hope that we may prove a source of supply for your Thermistor and/or Thyrite® Varistor needs. If you desire more information please contact your nearest CSO or ECSO sales office or contact the General Electric Company, Magnetic Materials Business Section, Edmore, Michigan 48829.



A new standard chassis answering your requirements in all applications due to adaptability and flexibility of design. Let one size chassis answer all of your installation problems.

Vent-Rak has the answer to Universal Mounting of your components. With this Utility Chassis, removable plates afford you the opportunity of having extra plates made up in the event you have a system failure.

Vent-Rak's chassis plates are standardized at 17" widths, and allow you a choice in depths from 8-1/2" up to 21-1/4" in 4-1/4" increments. Chassis assemblies of larger dimensions are also available on special request.

A protective, perforated metal cover is furnished to protect the delicate components and to add rigidity to your chassis.

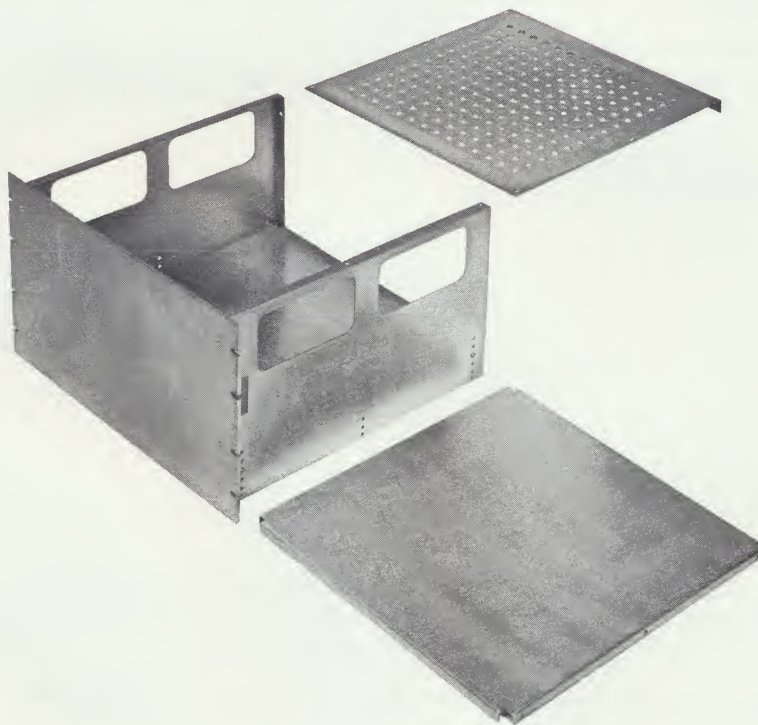
Chassis are available in either steel or aluminum finished to appropriate Mil Specs.

The price of a complete chassis includes the assembly hardware.

**WELL ENGINEERED**

**HIGHLY FUNCTIONAL**

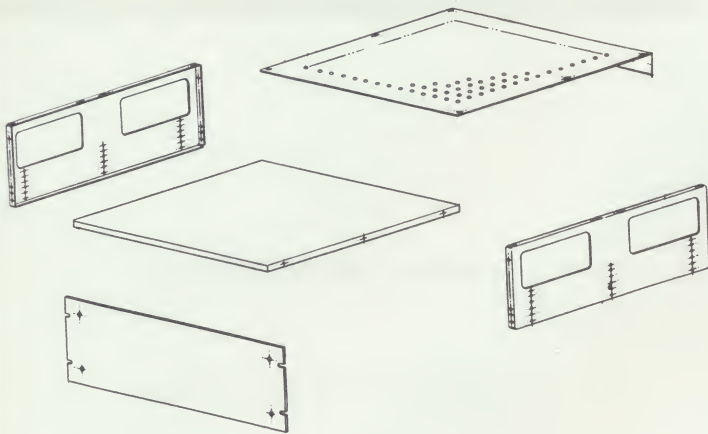
**RUGGED CONSTRUCTION**



- Side panels supplied at maximum height for added strength.
- Chassis plates may be pre-assembled for replacement parts and can be readily installed.
- All components are designed to allow maximum air flow and cooling for ample ventilation and to provide ease of working with standard shop tools.
- Holes for mounting Chassis-Trak® slides and handles provided when type is specified, at minimum charge.
- Cover removable through use of self-clinching nuts mounted in side panels.
- Built-in chassis plate height adjustability (choice of 6 mounting holes).
- Easily drilled or punched for component installation.
- Arrange to suit your own design requirements — A 17" x 17" chassis permits several different arrangements.
- This chassis gives ease of servicing, as any part can be detached and replaced without modification.

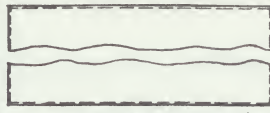
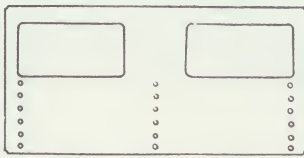
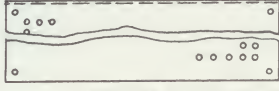
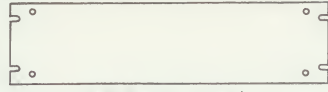


(17" x 17" Shown Below)



### ENGINEERING DATA

- Loading . . . . . 100 lb. per square foot.
- Material . . . . . Cold Rolled Steel or Aluminum.  
See schedule for gauge.
- Finish . . . . . Front Panel: To Customer Specification.  
Cold Rolled Steel: Cadmium Plate and Iridite  
Aluminum: To MIL-C-5541
- Hardware . . . . . Standard Hardware Package includes all screws  
and Kep nuts necessary for complete assembly.

TITLE	SYM.	FOR ORDERING			
		PART NO.	DEPTH	WIDTH	HEIGHT
 CHASSIS PLATE-.090 MAT'L.	1	VR-4042-1-101	8.37	16 3/16	
		-102	12.62		
		-103	16.87		
		-104	21.12		
 SIDE PANEL -.062 MAT'L.	2	VR-4046-2-201	8.50		3
		-202			4 3/4
		-203			6 1/2
		-204			8 1/4
		-205			10
		-206			11 3/4
		-207			13 1/2
		-208	12.75		3
		-209			4 3/4
		-210			6 1/2
		-211			8 1/4
		-212			10
		-213			11 3/4
		-214			13 1/2
		-215	17.00		3
		-216			4 3/4
		-217			6 1/2
		-218			8 1/4
		-219			10
		-220			11 3/4
		-221			13 1/2
		-222	21.25		3
		-223			4 3/4
		-224			6 1/2
		-225			8 1/4
		-226			10
		-227			11 3/4
		-228			13 1/2
 PROTECTIVE COVER-.062 MAT'L.	5	VR-4046-5-501	8.43	16.94	
		-502	12.68		
		-503	16.94		
		-504	21.18		
 FRONT PANEL -.125 MAT'L	6	VR-4046-6-601		19.00	3 1/2
		-602			5 1/4
		-603			7
		-604			8 3/4
		-605			10 1/2
		-606			12 1/4
		-607			14

- NOTES: (1) FRONT PANEL SHOWN IS STD. 7" HIGH PANEL. PANELS MAY BE ORDERED IN ANY STD. HEIGHT. (SEE DRWG. 4021) HEIGHT OF SIDE PANELS WILL CHANGE IN PROPORTION TO FRONT PANEL.
- (2) CHASSIS MAY BE ORDERED IN EITHER STEEL OR ALUM. ALL HARDWARE, CADMIUM PLATE & IRIDITE.
- (3) FINISH FOR C.R. STEEL SIDE PANELS, CHASSIS PLATE & COVER - CADMIUM PLATE & IRIDITE DIP, FOR C.R. STEEL FRONT PANEL, 1 COAT ZINC PHOSPHATE, 1 COAT YELLOW CHROMATE & 1 COAT LIGHT GREY ENAMEL PER TTE-529, COLOR # 26329, FED. STD. 595.
- (4) FINISH FOR ALUM. SIDE PANELS, CHASSIS PLATE & COVER - ETCH & IRIDITE DIP. FOR ALUM. FRONT PANEL - ETCH, IRIDITE DIP AND 1 COAT LIGHT GREY ENAMEL PER TTE-529, COLOR # 26329, FED. STD. 595.
- (5) QUOTE NECESSARY FOR CLEAR ANODIZE FINISH DUE TO PRICE DIFFERENTIAL IN QUANTITIES REQUIRED.

### ENGINEERING ASSISTANCE

Your special requirements will be considered and recommendations presented quickly. Vent-Rak engineers will welcome the opportunity to work with your staff in solving your mounting problems.

Send your inquiries to address below or call 317-359-5407 in Indianapolis.

## VENT-RAK, INC.

525 S. WEBSTER AVENUE - INDIANAPOLIS, INDIANA 46219

Here is a new concept of a versatile standard chassis which will allow you the utmost in flexibility resulting in valuable time and money savings!

Vent-Rak has the answer to Universal Mounting of your components. With Vent-Rak's modular chassis, several individuals can be working on one project at the same time. Sub-plates afford you the opportunity of having extra plates made up in the event you have a system failure.

Vent-Rak's chassis plates, which are standardized at 4-1/4" increments, allow you to choose board arrangements to suit your intended purpose. They may be installed in a combination of widths, front to rear. Sub-plates make up into standard chassis 17" wide and up to 21-1/4" deep. Chassis assemblies of larger dimensions are also available on special request.

A protective, perforated metal cover can be furnished to protect the delicate components (see price schedule).

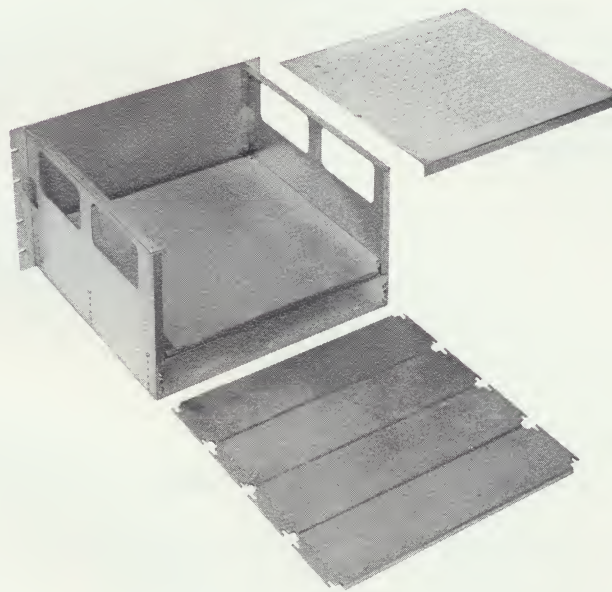
Chassis are available in either steel or aluminum finished to appropriate Mil Specs.

The price of a complete chassis includes the assembly hardware.

**WELL ENGINEERED**

**HIGHLY FUNCTIONAL**

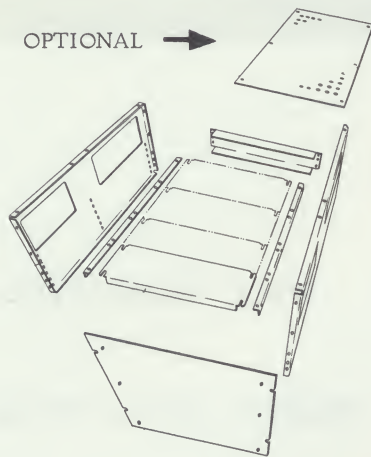
**RUGGED CONSTRUCTION**



- Now, multiple sub-assembly operations can be performed at several locations, simultaneously.
- Sub-plates may be pre-assembled for replacement parts and can be readily installed.
- Side panels supplied at maximum height for added strength.
- Angular brackets and rear support added for chassis sturdiness.
- All components are designed to allow maximum air flow and cooling for ample ventilation and to provide ease of working with standard shop tools.
- Holes for mounting Chassis-Trak® slides and handles provided when type is specified (at minimum charge).
- Cover removable through use of self-clinching nuts mounted in side panels. (Top and bottom cover optional).
- Built-in chassis plate height adjustability (choice of 6 mounting holes).
- Easily drilled or punched for component installation.
- Arrange to suit your own design requirements — A 17" x 17" chassis permits several different arrangements.
- The old "breadboard" concept of assembly is eliminated. This arrangement gives ease of servicing, as any part can be detached and replaced without modification.


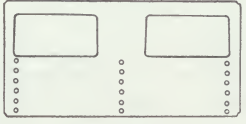
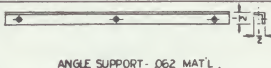
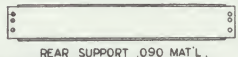

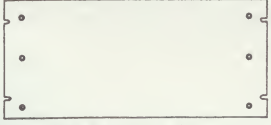


(17" x 17" Shown Below)



### ENGINEERING DATA

- Loading . . . . . 100 lb. per square foot.
- Material . . . . . Cold Rolled Steel or Aluminum.  
See schedule for gauge.
- Finish . . . . . Front Panel: To Customer Specification,  
Cold Rolled Steel: Cadmium Plate and Iridite  
Aluminum: To MIL-C-5541
- Hardware . . . . . Standard Hardware Package includes all screws  
and Kep nuts necessary for complete assembly.

TITLE	SYM.	FOR ORDERING		
		PART NO.	DEPTH	WIDTH HEIGHT
 CHASSIS PLATE -.090 MAT'L.	1	VR-4046-1-101	4.2	16 13/16
		-102	8.50	
		-103	12.75	
		-104	17.00	
		-105	21.25	
 SIDE PANEL -.062 MAT'L.	2	VR-4046-2-201	8.50	3
		-202		4 3/4
		-203		6 1/2
		-204		8 1/4
		-205		10
		-206		11 3/4
		-207		13 1/2
		-208	12.75	3
		-209		4 3/4
		-210		6 1/2
		-211		8 1/4
		-212		10
		-213		11 3/4
		-214		13 1/2
		-215	17.00	3
		-216		4 3/4
		-217		6 1/2
		-218		8 1/4
		-219		10
		-220		11 3/4
 ANGLE SUPPORT -.062 MAT'L.	3	VR-4046-3-301	7.750	
		-302	12.000	
		-303	16.250	
		-304	20.500	
 REAR SUPPORT .090 MAT'L.	4	VR-4046-4-401		16 3/4 1.625
		-402		16 3/4 2.625
 OPTIONAL PROTECTIVE COVER -.062 MAT'L.	5	VR-4046-5-501	8.43	16.94
		-502	12.69	
		-503	16.94	
		-504	21.18	
 FRONT PANEL .125 MAT'L.	6	VR-4046-6-601		19.00 31 2
		-602		31 4
		-603		7
		-604		8 3/4
		-605		10 1/2
		-606		12 1/4
		-607		14

- NOTES: (1) FRONT PANEL SHOWN IS STD. 10-1/2" HIGH PANEL. PANELS MAY BE ORDERED IN ANY STD. HEIGHT. (SEE DRWS. 4021) HEIGHT OF SIDE PANELS WILL CHANGE IN PROPORTION TO FRONT PANEL.
- (2) CHASSIS MAY BE ORDERED IN EITHER STEEL OR ALUM. - ALL HARDWARE, CADMIUM PLATE & IRIDITE.
- (3) FINISH FOR C.R. STEEL SIDE PANELS, CHASSIS PLATE, COVER, ETC. - CADMIUM PLATE & IRIDITE DIP. FOR C.R. STEEL FRONT PANEL - 1 COAT ZINC PHOSPHATE, 1 COAT YELLOW CHROMATE & 1 COAT LIGHT GREY ENAMEL PER TTE-529. COLOR # 26329, FED. STD. 595.
- (4) FINISH FOR ALUM. SIDE PANELS, CHASSIS PLATE, COVER, ETC. - ETCH & IRIDITE DIP. FOR ALUM. FRONT PANEL - ETCH, IRIDITE DIP, AND 1 COAT LIGHT GREY ENAMEL PER TTE-529, COLOR # 26329, FED. STD. 595.
- (5) QUOTE NECESSARY FOR CLEAR ANODIZE FINISH DUE TO PRICE DIFFERENTIAL IN QUANTITIES REQUIRED.

### ENGINEERING ASSISTANCE

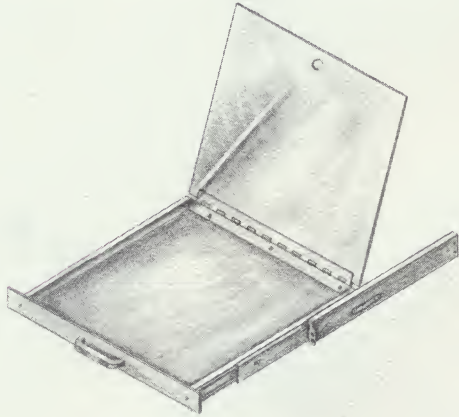
Your special requirements will be considered and recommendations presented quickly. Vent-Rak engineers will welcome the opportunity to work with your staff in solving your mounting problems.

Send your inquiries to address below or call 317-359-5407 in Indianapolis.

## VENT-RAK, INC.

525 S. WEBSTER AVENUE - INDIANAPOLIS, INDIANA 46219

## WRITING SHELF - RETRACTABLE



**DESIGNED** — For your convenience — a handy, readily-accessible writing surface and storage drawer (two-in-one!) which mounts directly to your cabinets and racks — ANYWHERE on your RETMA EIA or W-E universal hole-spaced panel surface.

**ENGINEERED** — in ultra-modern concept requiring but 1¾" vertical front panel and retracting flush with your other cabinet panels - slim, streamlined handle (fits your hand) for no-effort push-pull operation.

**MANUFACTURED** — by VENT-RAK techniques of production assuring you of minimum cost for maximum in ruggedness, serviceability, and durability.

- NO MOUNTING PROBLEMS - No holes to drill - no mounting slide-to-chassis required due to built-in slides for full retractability.
- DURABLE — CRS parts are cadmium plated and iridized per mil specs - slides coated with poxylube dry film lubricant per MIL-L-8937 for maximum wear and resistance to all environmental conditions - mar-proof writing surface.
- WRITING SHELF AND STORAGE DRAWER in one - yet requires only 1¾" vertical mounting space.
- FULL 50 LB. CAPACITY.
- ATTRACTIVE (yet functional) formica top writing surface - HINGED at rear for immediate accessibility to storage portion.
- MOUNTS FLUSH with your other drawers and rack-mounted equipment.
- VERSATILE — mount at any height to your preference - fits all RETMA or W-E universal hole mounting surface.

Eliminates obstruction of a permanent writing surface, yet offers full width and depth writing area for each individual cabinet. Allows design of rack-mounted equipment to include top-to-bottom flush and neat appearance

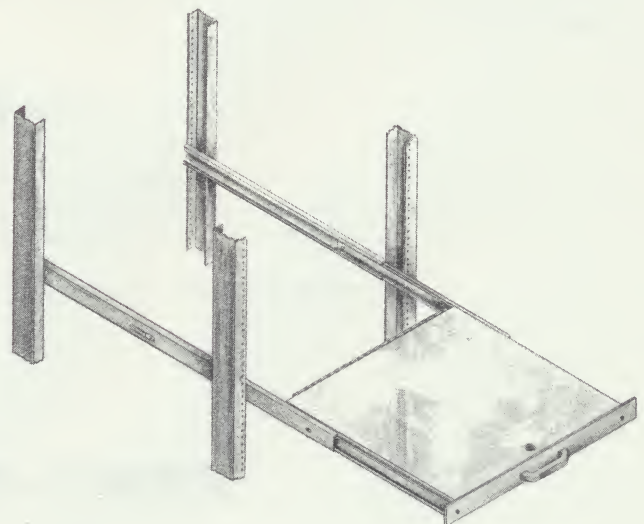
Slides are a component part of this drawer for instant extension of a sturdy writing shelf with Formica top - PLUS - a full depth storage drawer for your prints, recording paper, pencils, pads, etc.

## ✓ CHECK THESE FEATURES

- ✓ 20" slides (50-lb. cap.) 21" extension.
- ✓ Full 17" x 17" hinged writing surface.
- ✓ Pearl-gray formica top.
- ✓ Full width hinge.
- ✓ 1¾" x 19" front panel.
- ✓ HO-6 attractive 5½" long brushed chrome handle.
- ✓ Automatic release buttons for instant retraction.
- ✓ All welded corners.

## OPTIONS

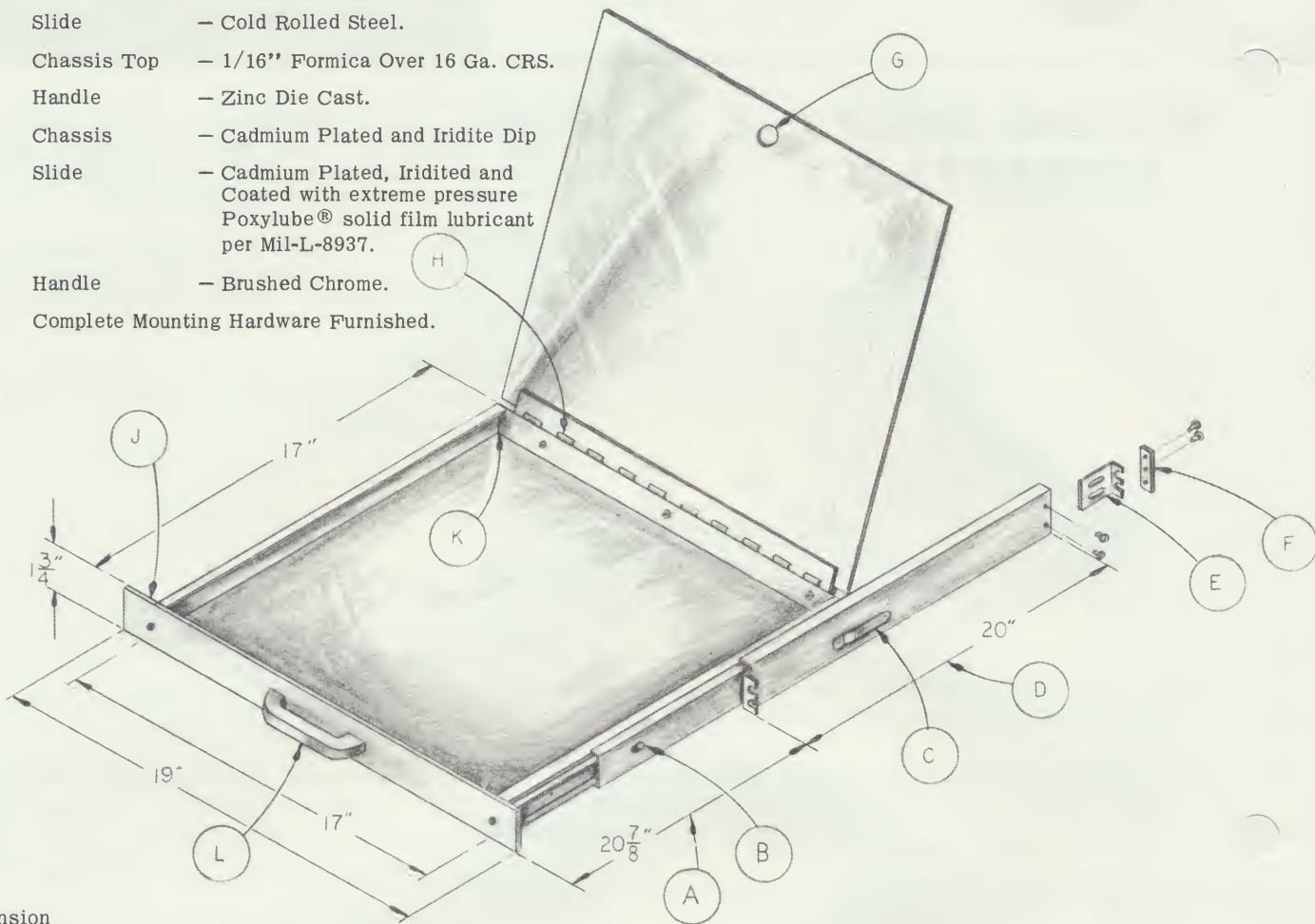
- ✓ Strong magnet lock-in at rear.
- ✓ Removable front panel for 1/8 or 3/16" Thk. Stl. or Alum.





## ENGINEERING ASSISTANCE

MATERIAL:	Chassis	— Cold Rolled Steel.
	Slide	— Cold Rolled Steel.
	Chassis Top	— 1/16" Formica Over 16 Ga. CRS.
	Handle	— Zinc Die Cast.
	Chassis	— Cadmium Plated and Iridite Dip
	Slide	— Cadmium Plated, Iridited and Coated with extreme pressure Poxylube® solid film lubricant per Mil-L-8937.
	Handle	— Brushed Chrome.
HARDWARE:	Complete Mounting Hardware Furnished.	



- A. Full extension
- B. Push button release and removal
- C. Lock in extended position
- D. # C-300-S-20 Chassis-trak slides
- E. # B-217 Angle bracket
- F. # B-218 Bar nut
- G. Finger tip desk lift
- H. Top hinged at rear
- J. 1 3/4 x 19 x 1/8"th Front panel
- K. All welded corners
- L. # HO-6 Handle

## ENGINEERING DATA

Your special requirements will be considered and recommendations presented quickly. Vent-Rak engineers will welcome the opportunity to work with your staff in solving your mounting problems.

Send your inquiries to address below or call 317-359-5407 in Indianapolis.

# VENT-RAK, INC.

525 S. WEBSTER AVENUE — INDIANAPOLIS, INDIANA 46219



CONDENSED CATALOG

# SLIM-LINE 5000 SERIES ENCLOSURES

- The all-new 5000 Series is the first truly low-priced, *heavy-duty construction* modular electronic enclosure available in America.
- Versatility, through simplicity, is virtually unlimited for individual or group enclosures.
- All system packaging problems are virtually solved with these slim-line cabinet enclosures.
- Many standard 5000 Series cabinets are immediately available from distributor stock. Others factory-supplied in a few days.
- Attractive standard color combinations . . . other colors optional.
- All components are flat packed for safe arrival, and are easily assembled with ordinary hand tools.

525 S. WEBSTER AVENUE

INDIANAPOLIS, INDIANA 46219

VENT  
RAK®

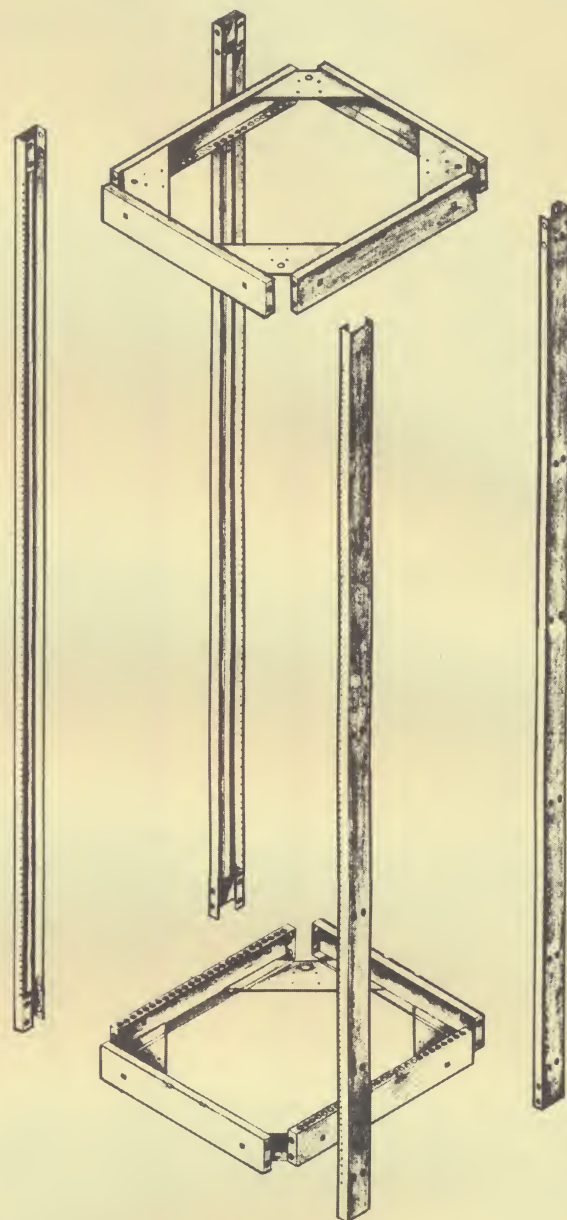


## 5000 SERIES ELECTRONIC CABINETS STANDARD FEATURES



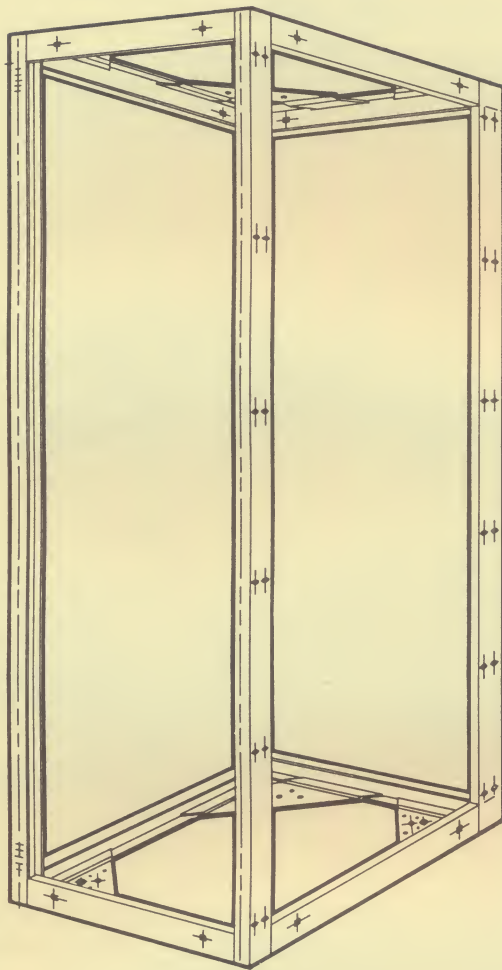
- ① Removable recessed top panel of 16-gauge steel available either louvered or plain.
- ② Extruded top horizontal trim provides grooves for lamp assembly or nameplates.
- ③ Flush-mounted side and rear panels are *instantly* removable for maximum flexibility. Fabricated of 20-gauge reinforced steel, they feature an attractive top and bottom trim of anodized extruded aluminum which lends rigidity.
- ④ Flush-mounted side and rear panel assemblies are supplied completely assembled, with anodized extruded aluminum grill. Plain panels optionally available.
- ⑤ Bottom panels are of 16-gauge steel. Levelers are standard with all frames.
- ⑥ Welded top and bottom frame assemblies are identical for ease of assembly.
- ⑦ 12-gauge tubular posts give maximum rigidity. All mating surfaces are paint-protected, and are self-aligning for easy assembly.
- ⑧ Clamp groove of extruded vertical trim is designed for auxiliary mounting of writing surfaces, turrets, etc.
- ⑨ Recessed stainless steel "trigger" mechanism for instant removal of side and rear panels. No tools required.

## FRAME ASSEMBLY (Exploded View)



All frame parts are heavy 12-gauge cold-rolled steel. Vertical posts are further reinforced by welded rolled-formed 16-gauge hat section. All vertical posts are precision die-punched and 10-32 machine tapped to RETMA standards. Frames are furnished knocked down, yet, when assembled, the unique bolted construction provides practically the same structural strength as comparable welded units. Frame parts are finished with zinc phosphate and two coats of baked hard, dull black enamel. Frame parts and all assembly hardware are packaged in one shipping carton for convenience of assembly and handling. An assembly manual is included.

## FRAME



TYPICAL VIEW OF  
FRAME ASSEMBLIES

### 5000 SERIES FRAME ASSEMBLIES CATALOG NUMBERS\*

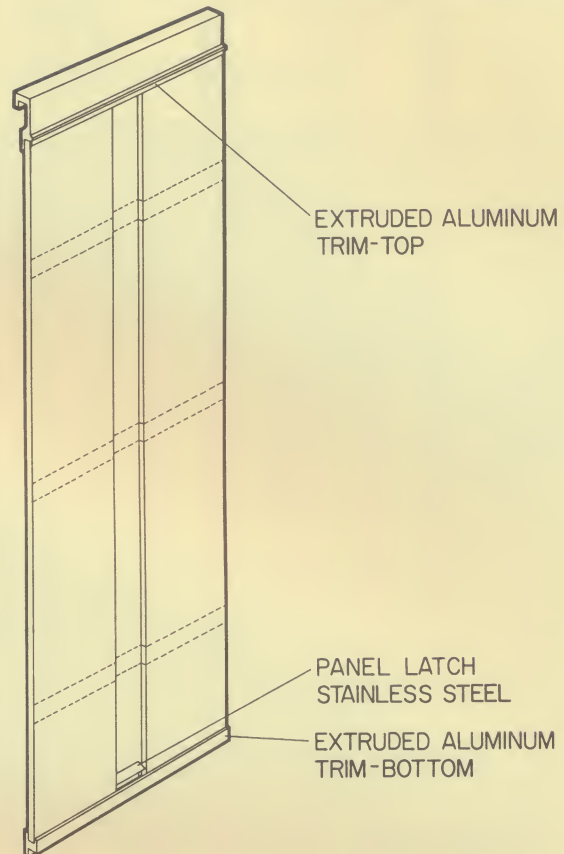
(Prefix F indicates Frame, 50 indicates 5000 series, next 2 numbers are depth dimensions, last 2 are panel height)\*\*

<b>F-502426</b>	F-502626	<b>F-502826</b>	F-503026
F-502428	F-502628	F-502828	F-503028
F-502435	F-502635	F-502835	F-503035
F-502442	F-502642	F-502842	F-503042
F-502449	F-502649	F-502849	F-503049
F-502456	F-502656	F-502856	F-503056
<b>F-502461</b>	F-502661	<b>F-502861</b>	F-503061
F-502463	F-502663	F-502863	F-503063
<b>F-502470</b>	F-502670	<b>F-502870</b>	F-503070
F-502477	F-502677	F-502877	F-503077

\***BOLDFACE TYPE** indicates standard sizes *immediately available* from distributor stock. All others from factory stock.

\*\*Complete assembly dimensions are listed in on page 5.

## REAR PANELS (Completely Assembled)



Flush-mounted rear panels are formed from 20-gauge reinforced, cold-rolled steel, and finished with zinc phosphate and two coats of baked enamel. They are stocked in the two basic color combinations, but available on special order in other colors, finishes and configurations. The top and bottom trim of anodized extruded aluminum completes the panel. Rear panel is individually packaged. Stainless steel "trigger" mechanism at bottom allows instant removal of panels. A top panel is required wherever side and rear panels are used. All rear panels are 19" wide.

### 5000 SERIES REAR PANELS CATALOG NUMBERS\*

(Prefix RP indicates Rear Panel, 50 is 5000 series, last two numbers are panel height)\*\*

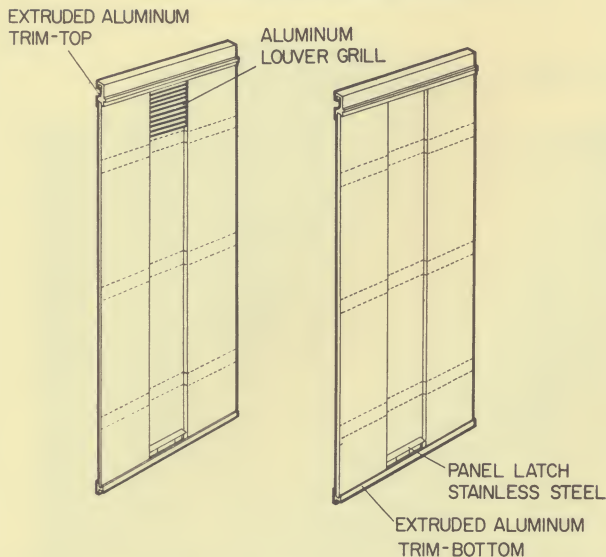
<b>RP-5026-P</b>	RP-5042-P	RP-5063-P
RP-5028-P	RP-5049-P	<b>RP-5070-P</b>
RP-5035-P	RP-5056-P	RP-5077-P
<b>RP-5061-P</b>		

\***BOLDFACE TYPE** indicates standard sizes *immediately available* from distributor stock. All others from factory stock.

\*\*Complete assembly dimensions are listed in on page 5.



## SIDE PANELS (Completely Assembled)



Flush-mounted side panels are formed from reinforced 20-gauge steel and finished with zinc phosphate and two coats of baked enamel. They are stocked in the two basic colors, but available on special order in other colors, finishes and configurations. The top louver is standard. Plain panels are optional. Their unique design provides full-length vertical ventilation. Horizontal trim and louver grill are anodized extruded aluminum. Stainless steel "trigger" mechanism at bottom allows instant removal of panels. Side panels are packaged in pairs with all cabinet trim.

### 5000 SERIES SIDE PANELS CATALOG NUMBERS\*

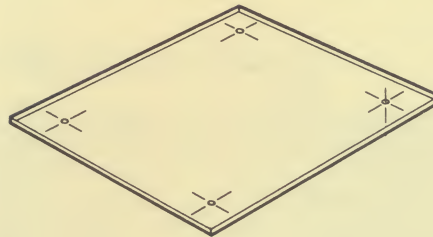
(Prefix SP indicates Side Panel, 50 is 5000 series, next two are panel depth, last two are height. -P is optional Plain, -T is standard louvered panel.)\*\*

<b>SP-502426-T</b>	SP-502426-P	<b>SP-502826-T</b>	SP-502826-P
SP-502428-T	SP-502428-P	SP-502828-T	SP-502828-P
SP-502435-T	SP-502435-P	SP-502835-T	SP-502835-P
SP-502442-T	SP-502442-P	SP-502842-T	SP-502842-P
SP-502449-T	SP-502449-P	SP-502849-T	SP-502849-P
SP-502456-T	SP-502456-P	SP-502856-T	SP-502856-P
<b>SP-502461-T</b>	SP-502461-P	<b>SP-502861-T</b>	SP-502861-P
SP-502463-T	SP-502463-P	SP-502863-T	SP-502863-P
<b>SP-502470-T</b>	SP-502470-P	<b>SP-502870-T</b>	SP-502870-P
SP-502477-T	SP-502477-P	SP-502877-T	SP-502877-P
SP-502626-T	SP-502626-P	SP-503026-T	SP-503026-P
SP-502628-T	SP-502628-P	SP-503028-T	SP-503028-P
SP-502635-T	SP-502635-P	SP-503035-T	SP-503035-P
SP-502642-T	SP-502642-P	SP-503042-T	SP-503042-P
SP-502649-T	SP-502649-P	SP-503049-T	SP-503049-P
SP-502656-T	SP-502656-P	SP-503056-T	SP-503056-P
SP-502661-T	SP-502661-P	SP-503061-T	SP-503061-P
SP-502663-T	SP-502663-P	SP-503063-T	SP-503063-P
SP-502670-T	SP-502670-P	SP-503070-T	SP-503070-P
SP-502677-T	SP-502677-P	SP-503077-T	SP-503077-P

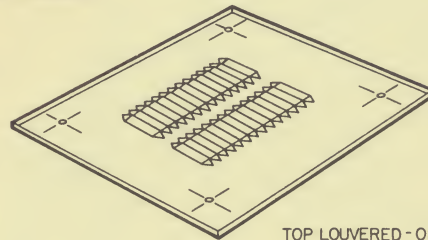
\***BOLDFACE TYPE** indicates standard sizes *immediately available* from distributor stock. All others from factory stock.

\*\*Complete assembly dimensions are listed in on page 5.

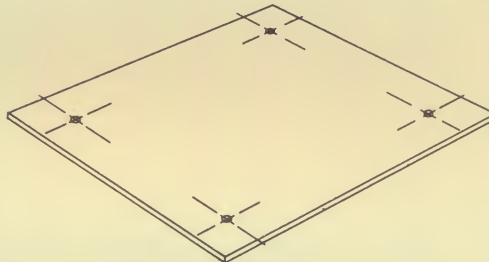
## TOP PANELS AND OPTIONAL BOTTOM PANELS



TOP PLAIN-STANDARD



TOP LOUVERED - OPTIONAL



Top panels *must* be used wherever side and rear panels are used. Recessed top panels are flush with the enclosure frame and are formed of 16-gauge cold-rolled steel. Top panels are available either standard plain, or optional with louvers. Standard finish is zinc phosphate and two coats of baked hard, dull black enamel.

Optional bottom panel is formed from 16-gauge cold-rolled steel. Finish is zinc phosphate and two coats of baked hard, dull black enamel.

### 5000 SERIES TOPS AND BOTTOMS CATALOG NUMBERS\*

(Prefix TP and BP indicate Top Panel and Bottom Panel, respectively. 50 indicates 5000 series, and last two indicate depth of cabinet. Suffix -P or -L on top panel numbers indicate standard Plain or optional Louvers.)\*\*

<b>TP-5024-P</b>	TP-5024-L
TP-5026-P	TP-5026-L
<b>TP-5028-P</b>	TP-5028-L
TP-5030-P	TP-5030-L

<b>BP-5024</b>
BP-5026
<b>BP-5028</b>
BP-5030

\***BOLDFACE TYPE** indicates standard sizes *immediately available* from distributor stock. All others from factory stock.

\*\*Complete assembly dimensions are listed on page 5.



# TABLE OF DELUXE KNOCKDOWN CABINETS

CATALOG NUMBER	PANEL SPACE		OVERALL SIZE			RETMA HOLE		OPENING FRONT		OPENING SIDE		WT.
	WIDTH	HEIGHT	WIDTH	HEIGHT	DEPTH	WIDTH	HEIGHT	WIDTH	HEIGHT	WIDTH	HEIGHT	
<b>KA-502426</b>	<b>19<math>\frac{1}{8}</math></b>	<b>26<math>\frac{1}{4}</math></b>	<b>21<math>\frac{3}{8}</math></b>	<b>31<math>\frac{11}{16}</math></b>	<b>25<math>\frac{1}{2}</math></b>	<b>18<math>\frac{3}{8}</math></b>	<b>25<math>\frac{3}{4}</math></b>	<b>17<math>\frac{15}{16}</math></b>	<b>26<math>\frac{1}{4}</math></b>	<b>23<math>\frac{7}{8}</math></b>	<b>26<math>\frac{1}{4}</math></b>	<b>116</b>
KA-502428	19 $\frac{1}{8}$	28	21 $\frac{3}{8}$	33 $\frac{7}{16}$	25 $\frac{1}{2}$	18 $\frac{3}{8}$	27 $\frac{1}{2}$	17 $\frac{15}{16}$	28	23 $\frac{7}{8}$	28	120
KA-502435	19 $\frac{1}{8}$	35	21 $\frac{3}{8}$	40 $\frac{7}{16}$	25 $\frac{1}{2}$	18 $\frac{3}{8}$	34 $\frac{1}{2}$	17 $\frac{15}{16}$	35	23 $\frac{7}{8}$	35	138
KA-502442	19 $\frac{1}{8}$	42	21 $\frac{3}{8}$	47 $\frac{7}{16}$	25 $\frac{1}{2}$	18 $\frac{3}{8}$	41 $\frac{1}{2}$	17 $\frac{15}{16}$	42	23 $\frac{7}{8}$	42	150
KA-502449	19 $\frac{1}{8}$	49	21 $\frac{3}{8}$	54 $\frac{7}{16}$	25 $\frac{1}{2}$	18 $\frac{3}{8}$	48 $\frac{1}{2}$	17 $\frac{15}{16}$	49	23 $\frac{7}{8}$	49	166
KA-502456	19 $\frac{1}{8}$	56	21 $\frac{3}{8}$	61 $\frac{7}{16}$	25 $\frac{1}{2}$	18 $\frac{3}{8}$	55 $\frac{1}{2}$	17 $\frac{15}{16}$	56	23 $\frac{7}{8}$	56	181
<b>KA-502461</b>	<b>19<math>\frac{1}{8}</math></b>	<b>61<math>\frac{1}{4}</math></b>	<b>21<math>\frac{3}{8}</math></b>	<b>66<math>\frac{11}{16}</math></b>	<b>25<math>\frac{1}{2}</math></b>	<b>18<math>\frac{3}{8}</math></b>	<b>60<math>\frac{3}{4}</math></b>	<b>17<math>\frac{15}{16}</math></b>	<b>61<math>\frac{1}{4}</math></b>	<b>23<math>\frac{7}{8}</math></b>	<b>61<math>\frac{1}{4}</math></b>	<b>195</b>
KA-502463	19 $\frac{1}{8}$	63	21 $\frac{3}{8}$	68 $\frac{7}{16}$	25 $\frac{1}{2}$	18 $\frac{3}{8}$	62 $\frac{1}{2}$	17 $\frac{15}{16}$	63	23 $\frac{7}{8}$	63	200
<b>KA-502470</b>	<b>19<math>\frac{1}{8}</math></b>	<b>70</b>	<b>21<math>\frac{3}{8}</math></b>	<b>75<math>\frac{1}{2}</math></b>	<b>25<math>\frac{1}{2}</math></b>	<b>18<math>\frac{3}{8}</math></b>	<b>69<math>\frac{1}{2}</math></b>	<b>17<math>\frac{15}{16}</math></b>	<b>70</b>	<b>23<math>\frac{7}{8}</math></b>	<b>70</b>	<b>212</b>
KA-502477	19 $\frac{1}{8}$	77	21 $\frac{3}{8}$	82 $\frac{7}{16}$	25 $\frac{1}{2}$	18 $\frac{3}{8}$	76 $\frac{1}{2}$	17 $\frac{15}{16}$	77	23 $\frac{7}{8}$	77	227
KA-502626	19 $\frac{1}{8}$	26 $\frac{1}{4}$	21 $\frac{3}{8}$	31 $\frac{11}{16}$	27 $\frac{1}{2}$	18 $\frac{3}{8}$	25 $\frac{3}{4}$	17 $\frac{15}{16}$	26 $\frac{1}{4}$	25 $\frac{7}{8}$	26 $\frac{1}{4}$	120
KA-502628	19 $\frac{1}{8}$	28	21 $\frac{3}{8}$	33 $\frac{7}{16}$	27 $\frac{1}{2}$	18 $\frac{3}{8}$	27 $\frac{1}{2}$	17 $\frac{15}{16}$	28	25 $\frac{7}{8}$	28	124
KA-502635	19 $\frac{1}{8}$	35	21 $\frac{3}{8}$	40 $\frac{7}{16}$	27 $\frac{1}{2}$	18 $\frac{3}{8}$	34 $\frac{1}{2}$	17 $\frac{15}{16}$	35	25 $\frac{7}{8}$	35	142
KA-502642	19 $\frac{1}{8}$	42	21 $\frac{3}{8}$	47 $\frac{7}{16}$	27 $\frac{1}{2}$	18 $\frac{3}{8}$	41 $\frac{1}{2}$	17 $\frac{15}{16}$	42	25 $\frac{7}{8}$	42	154
KA-502649	19 $\frac{1}{8}$	49	21 $\frac{3}{8}$	54 $\frac{7}{16}$	27 $\frac{1}{2}$	18 $\frac{3}{8}$	48 $\frac{1}{2}$	17 $\frac{15}{16}$	49	25 $\frac{7}{8}$	49	170
KA-502656	19 $\frac{1}{8}$	56	21 $\frac{3}{8}$	61 $\frac{7}{16}$	27 $\frac{1}{2}$	18 $\frac{3}{8}$	55 $\frac{1}{2}$	17 $\frac{15}{16}$	56	25 $\frac{7}{8}$	56	185
KA-502661	19 $\frac{1}{8}$	61 $\frac{1}{4}$	21 $\frac{3}{8}$	66 $\frac{11}{16}$	27 $\frac{1}{2}$	18 $\frac{3}{8}$	60 $\frac{3}{4}$	17 $\frac{15}{16}$	61 $\frac{1}{4}$	25 $\frac{7}{8}$	61 $\frac{1}{4}$	199
KA-502663	19 $\frac{1}{8}$	63	21 $\frac{3}{8}$	68 $\frac{7}{16}$	27 $\frac{1}{2}$	18 $\frac{3}{8}$	62 $\frac{1}{2}$	17 $\frac{15}{16}$	63	25 $\frac{7}{8}$	63	204
KA-502670	19 $\frac{1}{8}$	70	21 $\frac{3}{8}$	75 $\frac{1}{2}$	27 $\frac{1}{2}$	18 $\frac{3}{8}$	69 $\frac{1}{2}$	17 $\frac{15}{16}$	70	25 $\frac{7}{8}$	70	216
KA-502677	19 $\frac{1}{8}$	77	21 $\frac{3}{8}$	82 $\frac{7}{16}$	27 $\frac{1}{2}$	18 $\frac{3}{8}$	76 $\frac{1}{2}$	17 $\frac{15}{16}$	77	25 $\frac{7}{8}$	77	231
<b>KA-502826</b>	<b>19<math>\frac{1}{8}</math></b>	<b>26<math>\frac{1}{4}</math></b>	<b>21<math>\frac{3}{8}</math></b>	<b>31<math>\frac{11}{16}</math></b>	<b>29<math>\frac{1}{2}</math></b>	<b>18<math>\frac{3}{8}</math></b>	<b>25<math>\frac{3}{4}</math></b>	<b>17<math>\frac{15}{16}</math></b>	<b>26<math>\frac{1}{4}</math></b>	<b>27<math>\frac{7}{8}</math></b>	<b>26<math>\frac{1}{4}</math></b>	<b>126</b>
KA-502828	19 $\frac{1}{8}$	28	21 $\frac{3}{8}$	33 $\frac{7}{16}$	29 $\frac{1}{2}$	18 $\frac{3}{8}$	27 $\frac{1}{2}$	17 $\frac{15}{16}$	28	27 $\frac{7}{8}$	28	130
KA-502835	19 $\frac{1}{8}$	35	21 $\frac{3}{8}$	40 $\frac{7}{16}$	29 $\frac{1}{2}$	18 $\frac{3}{8}$	34 $\frac{1}{2}$	17 $\frac{15}{16}$	35	27 $\frac{7}{8}$	35	148
KA-502842	19 $\frac{1}{8}$	42	21 $\frac{3}{8}$	47 $\frac{7}{16}$	29 $\frac{1}{2}$	18 $\frac{3}{8}$	41 $\frac{1}{2}$	17 $\frac{15}{16}$	42	27 $\frac{7}{8}$	42	160
KA-502849	19 $\frac{1}{8}$	49	21 $\frac{3}{8}$	54 $\frac{7}{16}$	29 $\frac{1}{2}$	18 $\frac{3}{8}$	48 $\frac{1}{2}$	17 $\frac{15}{16}$	49	27 $\frac{7}{8}$	49	176
KA-502856	19 $\frac{1}{8}$	56	21 $\frac{3}{8}$	61 $\frac{7}{16}$	29 $\frac{1}{2}$	18 $\frac{3}{8}$	55 $\frac{1}{2}$	17 $\frac{15}{16}$	56	27 $\frac{7}{8}$	56	191
<b>KA-502861</b>	<b>19<math>\frac{1}{8}</math></b>	<b>61<math>\frac{1}{4}</math></b>	<b>21<math>\frac{3}{8}</math></b>	<b>66<math>\frac{11}{16}</math></b>	<b>29<math>\frac{1}{2}</math></b>	<b>18<math>\frac{3}{8}</math></b>	<b>60<math>\frac{3}{4}</math></b>	<b>17<math>\frac{15}{16}</math></b>	<b>61<math>\frac{1}{4}</math></b>	<b>27<math>\frac{7}{8}</math></b>	<b>61<math>\frac{1}{4}</math></b>	<b>205</b>
KA-502863	19 $\frac{1}{8}$	63	21 $\frac{3}{8}$	68 $\frac{7}{16}$	29 $\frac{1}{2}$	18 $\frac{3}{8}$	62 $\frac{1}{2}$	17 $\frac{15}{16}$	63	27 $\frac{7}{8}$	63	210
<b>KA-502870</b>	<b>19<math>\frac{1}{8}</math></b>	<b>70</b>	<b>21<math>\frac{3}{8}</math></b>	<b>75<math>\frac{1}{2}</math></b>	<b>29<math>\frac{1}{2}</math></b>	<b>18<math>\frac{3}{8}</math></b>	<b>69<math>\frac{1}{2}</math></b>	<b>17<math>\frac{15}{16}</math></b>	<b>70</b>	<b>27<math>\frac{7}{8}</math></b>	<b>70</b>	<b>222</b>
KA-502877	19 $\frac{1}{8}$	77	21 $\frac{3}{8}$	82 $\frac{7}{16}$	29 $\frac{1}{2}$	18 $\frac{3}{8}$	76 $\frac{1}{2}$	17 $\frac{15}{16}$	77	27 $\frac{7}{8}$	77	237
KA-503026	19 $\frac{1}{8}$	26 $\frac{1}{4}$	21 $\frac{3}{8}$	31 $\frac{11}{16}$	31 $\frac{1}{2}$	18 $\frac{3}{8}$	25 $\frac{3}{4}$	17 $\frac{15}{16}$	26 $\frac{1}{4}$	29 $\frac{7}{8}$	26 $\frac{1}{4}$	130
KA-503028	19 $\frac{1}{8}$	28	21 $\frac{3}{8}$	33 $\frac{7}{16}$	31 $\frac{1}{2}$	18 $\frac{3}{8}$	27 $\frac{1}{2}$	17 $\frac{15}{16}$	28	29 $\frac{7}{8}$	28	134
KA-503035	19 $\frac{1}{8}$	35	21 $\frac{3}{8}$	40 $\frac{7}{16}$	31 $\frac{1}{2}$	18 $\frac{3}{8}$	34 $\frac{1}{2}$	17 $\frac{15}{16}$	35	29 $\frac{7}{8}$	35	152
KA-503042	19 $\frac{1}{8}$	42	21 $\frac{3}{8}$	47 $\frac{7}{16}$	31 $\frac{1}{2}$	18 $\frac{3}{8}$	41 $\frac{1}{2}$	17 $\frac{15}{16}$	42	29 $\frac{7}{8}$	42	164
KA-503049	19 $\frac{1}{8}$	49	21 $\frac{3}{8}$	54 $\frac{7}{16}$	31 $\frac{1}{2}$	18 $\frac{3}{8}$	48 $\frac{1}{2}$	17 $\frac{15}{16}$	49	29 $\frac{7}{8}$	49	180
KA-503056	19 $\frac{1}{8}$	56	21 $\frac{3}{8}$	61 $\frac{7}{16}$	31 $\frac{1}{2}$	18 $\frac{3}{8}$	55 $\frac{1}{2}$	17 $\frac{15}{16}$	56	29 $\frac{7}{8}$	56	195
KA-503061	19 $\frac{1}{8}$	61 $\frac{1}{4}$	21 $\frac{3}{8}$	66 $\frac{11}{16}$	31 $\frac{1}{2}$	18 $\frac{3}{8}$	60 $\frac{3}{4}$	17 $\frac{15}{16}$	61 $\frac{1}{4}$	29 $\frac{7}{8}$	61 $\frac{1}{4}$	209
KA-503063	19 $\frac{1}{8}$	63	21 $\frac{3}{8}$	68 $\frac{7}{16}$	31 $\frac{1}{2}$	18 $\frac{3}{8}$	62 $\frac{1}{2}$	17 $\frac{15}{16}$	63	29 $\frac{7}{8}$	64	214
KA-503070	19 $\frac{1}{8}$	70	21 $\frac{3}{8}$	75 $\frac{1}{2}$	31 $\frac{1}{2}$	18 $\frac{3}{8}$	69 $\frac{1}{2}$	17 $\frac{15}{16}$	70	29 $\frac{7}{8}$	70	226
KA-503077	19 $\frac{1}{8}$	77	21 $\frac{3}{8}$	82 $\frac{7}{16}$	31 $\frac{1}{2}$	18 $\frac{3}{8}$	76 $\frac{1}{2}$	17 $\frac{15}{16}$	77	29 $\frac{7}{8}$	77	241

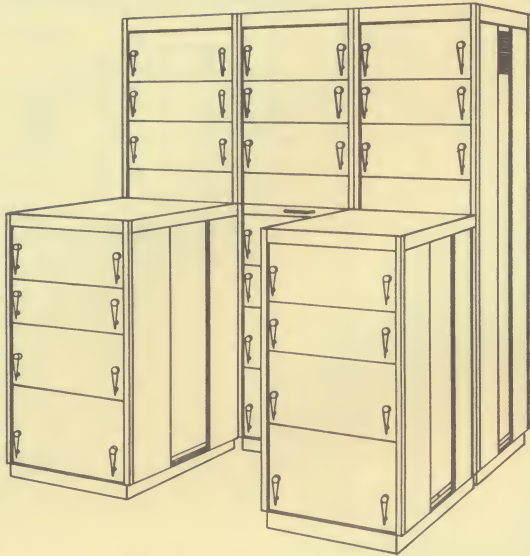
PATENTS PENDING

**Boldface type** indicates standard sizes immediately available from distributors stock.

Contact factory for 24" panel width.



## OPTIONS AVAILABLE



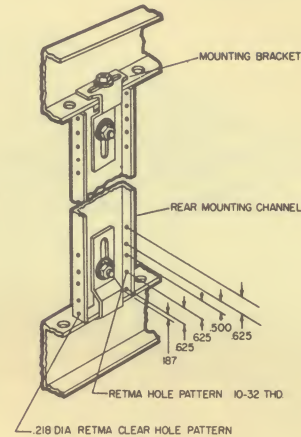
### COUPLING KITS

Required when frames are to be joined to form bays. Kit consists of one-piece cabinet top horizontal extrusion and two-piece vertical extrusion (front and rear), plus 30" length of extruded "T" section gasket to close gap at frame top. Complete with all fasteners.

#### 5000 SERIES COUPLING KITS CATALOG NUMBERS

(Prefix CK is Coupling Kit, 50 is 5000 series, last two numbers are cabinet height.)

CK-5026	CK-5035	CK-5049	CK-5061	CK-5070
CK-5028	CK-5042	CK-5056	CK-5063	CK-5077



### REAR MOUNTING CHANNELS

Rear mounting channels are formed of heavy 12-gauge cold-rolled steel. RETMA hole pattern is precision die-punched and 10-32 machine tapped one side; opposite side has clearance holes 0.218" in diameter. Finish is the same as that of the frame. Channels are packaged in pairs with four mounting brackets and assembly hardware. Channels are adjustable within frames from front to back in one-inch increments.

#### 5000 SERIES REAR MOUNTING CHANNELS CATALOG NUMBERS

(Prefix RM indicates Rear Mounting, numbers 50 indicate 5000 series, last two indicate height. Suffix -C means Channels.)

RM-5026-C	RM-5035-C	RM-5049-C	RM-5061-C	RM-5070-C
RM-5028-C	RM-5042-C	RM-5056-C	RM-5053-C	RM-5077-C

## ACCESSORIES AVAILABLE

Cable Retractors  
Caster Kit  
Light Assembly

Magnetic Latch  
Writing Surface

Retractable Writing Surface  
Chassis Slides  
Cabinet Wedges

*These enclosures are available through distributors and Vent Rak representatives.*

*For more information, contact:*



525 S. WEBSTER AVENUE  
INDIANAPOLIS, INDIANA 46219

CONDENSED  
CATALOG

VENT-RAK

3000 SERIES

ELECTRONIC

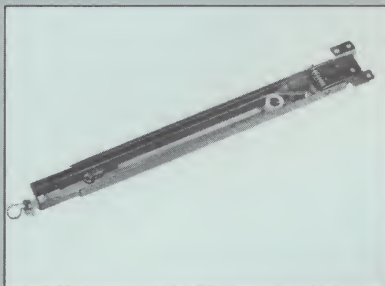
CABINET



VENT  
RAK®



## ACCESSORIES TO COMPLETE THE 3000 SERIES PACKAGE ...



### Cable Retractors

Cable retractors are fabricated from cold-rolled steel and finished with a cadmium plate and iridite dip. Vent-Rak will furnish application consultation free of charge.



### Retractable Writing Surface

Combination writing surface and storage drawer mounts directly and easily to cabinet. Fits all RETMA/EIA holes. Cold-rolled steel, cadmium-plated and iridite-dipped, the slides are coated with Poxylube. Capacity is full 50 pounds, and the top is  $\frac{1}{16}$ " Formica on 16-gauge cold-rolled steel.

### Air Blower

Blower assemblies are available right or left-hand discharge, or dual discharge; in panel opening heights from  $5\frac{1}{4}$ " through  $12\frac{1}{4}$ " in increments of  $1\frac{1}{4}$ ". Capacities range from 160 to 1000 CFM. The grill is furnished with blower, and the filter is washable and reusable.

### Casters

Heavy-duty casters are furnished in manufacturer's standard finishes.

### Rear Mounting Angles

Precision die-punched RETMA/EIA for 0.218 clearance holes, rear mounting angles are adjustable in one-inch increments.

### Lifting Eyes

Lifting eyes may be specified with blind sockets or secured to reinforced, welded top blocks. Lifting eyes are cadmium-plated and iridite-dipped.

# 3000 SERIES OUTSTANDING FEATURES

Vent-Rak's 3000 Series Cabinet is ideally suited for commercial and industrial electronic packaging, and for medium-duty military applications. Multiple assemblies are readily available as required for complete systems, and the wide range of heights, depths and panel widths enable the 3000 Series to meet practically any complete or supplemental packaging requirement.

- ① Easily accessible from the front or rear.
- ② One-piece frame and skin construction of reinforced 16-gauge steel, heli-arc welded for exceptional strength and stress resistance.
- ③ 12-gauge steel front mounting angles are adjustable, and die-punched and machine-tapped 10/32 to RETMA/EIA standards.
- ④ 16-gauge steel rear door is reinforced with hat-section of 16-gauge steel. Rear door is equipped with a recessed flush cup single point bail handle latch and heavy-duty hinges. (Left-hand hinging is standard.)
- ⑤ Side panels are 16-gauge steel, with integrally-welded hat-section reinforcement. (Side panels are not removable.)
- ⑥ Cabinet base may be inverted at no extra cost to recess casters when specified.
- ⑦ 3000 Series Cabinets are available in 19, 24, and 30-inch panel widths. Panel opening heights may be specified from 14 inches to 77 inches in increments of  $1\frac{3}{4}$  inches. Cabinet depths range from 18 through 30 inches in 2-inch increments.



**Utility Chassis**—Two types of modular chassis are available from Vent-Rak. The VR-4042 chassis removable plates allow quick replacement with pre-assembled plates in event of system failure. VR-4046 chassis plates consist of sub-sections which may be assembled separately at more than one location. Also, replacement may be performed with one or more subassemblies. Both models are available in steel or aluminum. Dust covers for both models are available.



## **COMPANION OPTIONS for the 3000 Series Cabinet**

### **Front Door**

Front doors are available either flush-recessed or surface-mounted.

### **Louvers**

Cutouts or louvers can be provided by the factory in any position desired on all skin surfaces.

### **Air-Flow Panels**

Forced ventilation panels are available, and must be factory-installed. Left-hand mounting is standard; right-hand optional. Air scoops and plugs for air-flow panels must be specified and ordered separately.

### **Multiple Installations**

Welded multi-bay assemblies or customized installations are available, and will be quoted from the factory.

The 3000 Series finish is a zinc phosphate dip, zinc chromate primer, and two coats of baked Gray Hammertone. Other finishes and colors may be quoted from the factory.

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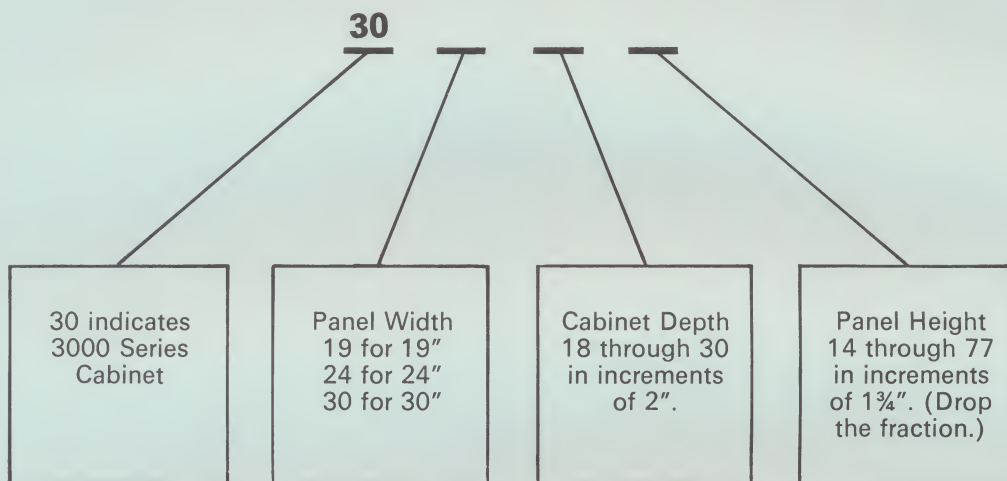


## HOW TO ORDER the 3000 Series

Another feature of this fine cabinet line is the wide combinations of sizes that are available. Panel opening heights range from 14" through 77" in 1¾" increments; depths are 18" through 30" in 2" increments; and panel widths of 19", 24" and 30" are available.

It is good to remember that the overall height of the 3000 Series Cabinet is the specified panel opening height plus 4 inches. Total width is the specified panel width plus 5 inches.

The examples below will guide you in specifying your required cabinet size. The Vent-Rak 3000 Series Cabinet order number will always be 8 digits as described below:



For example, on an order number 30242661, the first two digits 30 indicate 3000 Series Cabinet. The second two indicate a 24" Panel Width. The third two are the 26" Cabinet Depth. The last two numbers indicate a 61¼" Panel Height.

The order number 30193029 indicates a 3000 Series Cabinet with 19" panel width, 30" deep and 29¾" panel height.

*These enclosures are available from the factory and the Vent-Rak representative in your area.  
For more information, contact:*

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INDIANAPOLIS, INDIANA 46219

# VENT-RAK, INC.®

## DESIGN DATA QUESTIONNAIRE

FROM \_\_\_\_\_ DATE \_\_\_\_\_  
 COMPANY \_\_\_\_\_ PHONE \_\_\_\_\_  
 ADDRESS \_\_\_\_\_ TYPE REQD. VR- \_\_\_\_\_  
 REPLY TO \_\_\_\_\_ TITLE \_\_\_\_\_ QTY. \_\_\_\_\_

FRAME	Matl. _____ Ga. _____
Width _____	Depth _____ Hgt. _____
Panel Opening - Hgt. _____ Width _____	
Mounting hole pattern _____	
Cutouts - Top _____ Bottom _____	
Removable Cover _____ Filter _____	
Louvers _____	
Shock mount holes _____	

SIDE PANELS	Matl. _____ Ga. _____
Hinged (R or L) _____	
Removable From - Inside _____ Outside _____	
Length _____ Width _____	
Permanent _____ Louvers _____	
Latching _____ Stiffener _____	

REAR DOOR	Matl. _____ Ga. _____
Hinged (R or L) _____	
Length _____ Width _____	
Permanent _____ Louvers _____	
Latching _____ Stiffener _____	

FRONT DOOR	Matl. _____ Ga. _____
Hinged (R or L) _____	
Length _____ Width _____	
Latching _____ Stiffener _____	
Louvers _____	

MOUNTING RAILS	Angle _____ Ga. _____
Channel _____ Ga. _____	
Mtg. hole pattern _____	

GASKET SEAL	Urethane _____
-------------	----------------

PAINT	Zn. Phos. _____ Zn. Chro. _____
Cad plate _____ Iridite _____	
MIL Spec. _____	
Color _____ Trim _____	

AIR FLO PANEL	Matl. _____ Ga. _____
Depth _____ Outlets _____	
Scoops _____ Plugs _____	

CONNECTORS (For joining cabinets)	
Qty. _____	Matl. _____ Ga. _____

BEZEL	Matl. _____ Ga. _____
Size _____ Angle _____	
Location _____	

CONNECTOR PLATES	Matl. _____ Ga. _____
Size _____ Qty. _____	
Holes _____	

LIFTING EYES	Qty. _____ Size _____
Cat. No. & Type _____	

CUTOUTS	Qty. _____
Size _____	
Location _____	

COVER PLATES	Matl. _____ Ga. _____
Size _____ Qty. _____	
Location _____	

BLOWER	Size _____ CFM _____
Type & No. _____ RFI _____	
Discharge _____	

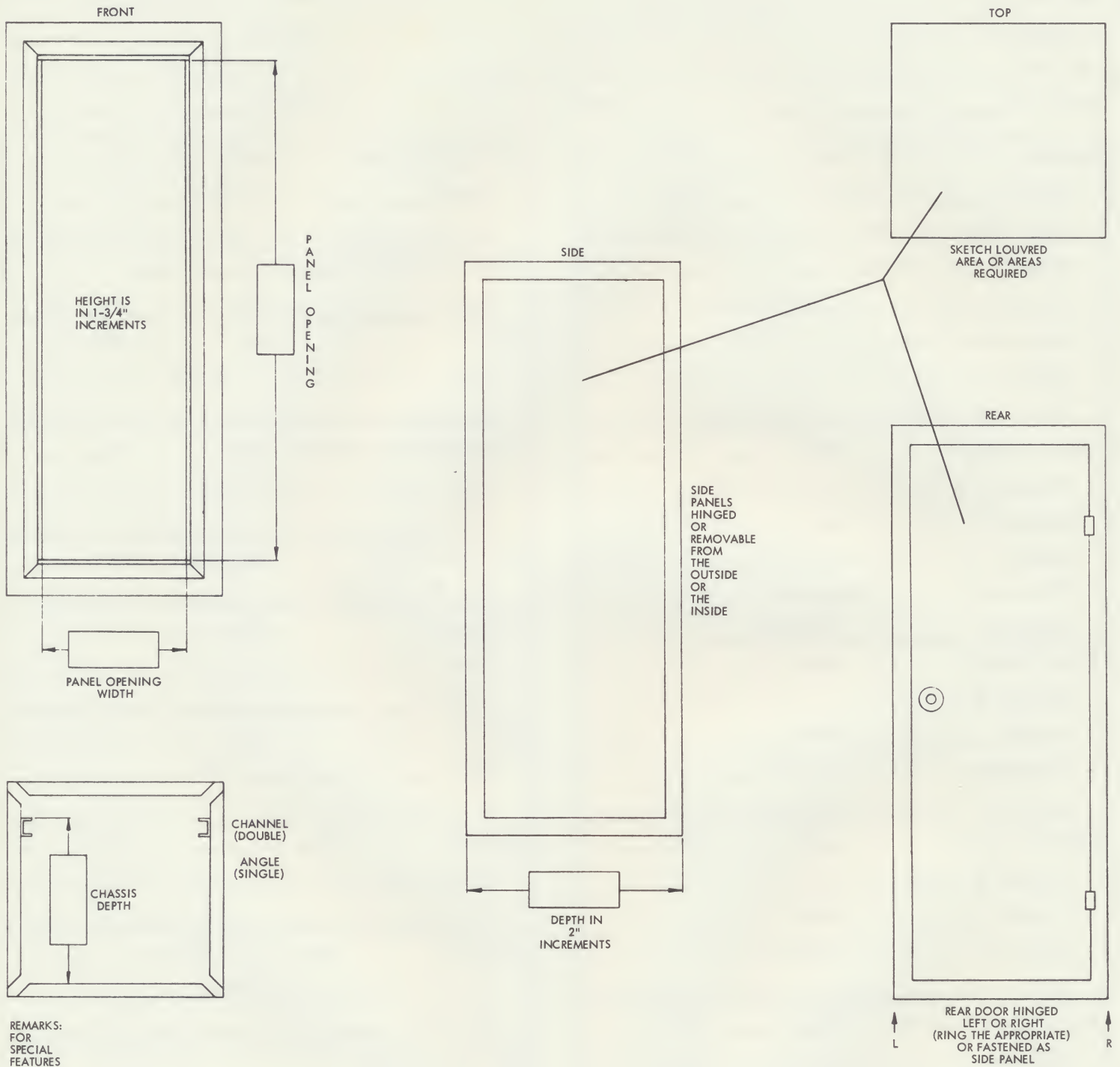
CASTERS	Qty. _____ Size _____
Swivel _____ Fixed _____	
Cat. No. _____	

RFI SHIELDING	_____
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SPECIAL FEATURES	_____
_____	
_____	



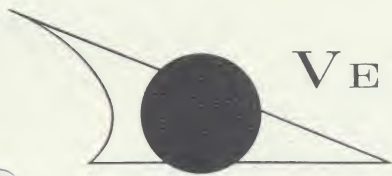
# INDICATE YOUR REQUIREMENTS BY USING THE SKETCHES BELOW



RETURN TO:

**VENT-RAK, INC.®**

**525 S. WEBSTER AVENUE – INDIANAPOLIS, INDIANA 46219**



# VENT-RAK

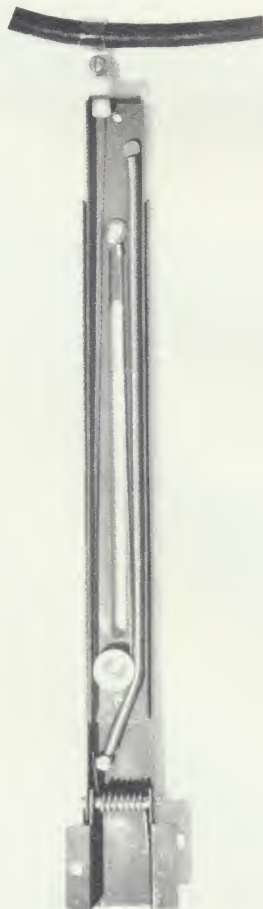
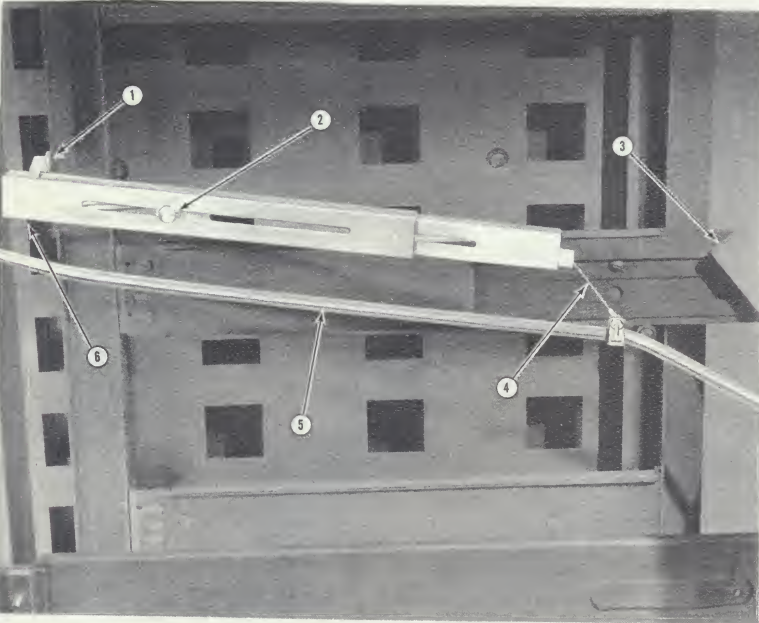
DATA SHEET

## Design Engineering DATA SHEET

CABLE RETRACTOR

### WELL ENGINEERED HIGHLY FUNCTIONAL VERY ECONOMICAL

1. EASILY INSTALLED.
2. AUTOMATICALLY ADJUSTED.
3. ALLOWS FOR A DETENTED OR TILTED CHASSIS.
4. STAINLESS STEEL AIRCRAFT CABLE.
5. HOLDS CABLE OFF CHASSIS BELOW.
6. PROVIDES POSITIVE STOP ON RETURN SWING.



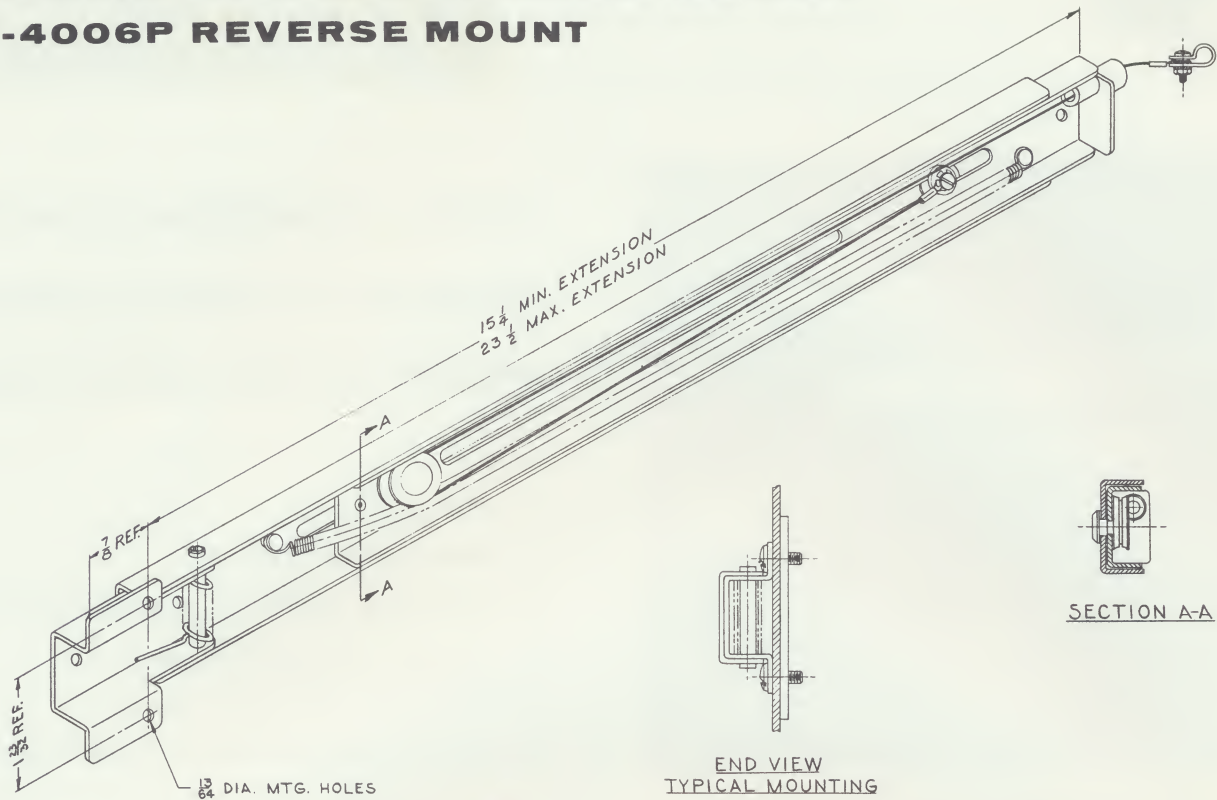
A new, low cost cable retractor featuring an advanced design is now available to the industry from Vent-Rak, manufacturers of electronic enclosures and accessory items.

The new retractor is designed to meet extreme environmental conditions and withstand temperatures from  $-100^{\circ}\text{F.}$  to  $+330^{\circ}\text{F.}$  All moving parts glide on Delrin and Poxylube, a solid film lubricant. The Vent-Rak cable retractor is fabricated from cold rolled steel and is finished with a cadmium plate and an iridite dip. The unusual resistance on environmental conditions is partially due to the use of a stainless steel expansion cord and the entire unit is designed to meet all military specifications.

The cable retractor adjusts automatically from minimum to maximum extension and provides a positive stop on the return swing. The new unit can be mounted left, right, or reversed, with mounting holes fitting all R.E.T.M.A. and W.E. hole spacing.



**VR-4005P STANDARD (SHOWN BELOW)**  
**VR-4006P REVERSE MOUNT**



- The VR-4005 is manufactured from cold rolled steel.
- All steel parts are cadmium plated followed by an iridite dip and then coated with Poxylube 75, a special molybdenum disulphide solution. This dry film finish provides permanent lubrication and protects against atmospheric corrosion, solvents, and acids.
- The retractor cable is stainless steel aircraft quality, which rides on Delrin rollers.
- Style VR-4006 reverses the position of the mounting bracket by 180°, which permits the cable retractor to be mounted on the inside of the rear mounting rail. This reduces the amount of space required between rear of chassis and the back door.

**ENGINEERING ASSISTANCE AND HOW TO ORDER - -**

When ordering, please be sure to state complete model number and the quantity.

If special problems create uncertainty as to your application of the retractor, Vent-Rak engineers will be glad to furnish recommendations without cost or obligation. When you contact the Engineering Dept., please give us as much information as possible pertaining to your application.

Write to Vent-Rak, Inc. at the address below or call FLeetwood 9-5407.

**VENT RAK, INC.**

**525 SOUTH WEBSTER AVENUE — INDIANAPOLIS 19, INDIANA**